Gray Herbarium Harvard University

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CAMBRIDGE, MASSACHUSETTS, U. S. A.

Sept. 5, 1918.

Mr. I. M. Johnston,
Upland, California.

My dear Mr. Johnston:

At last I have finished my study of the interesting specimens which you sent me sometime ago. Of course feel free to comment on or question any determinations as occurs to you. I find it impossible, generally speaking, to attempt the determination of Lupines. Mr. Eggleston is now at work upon a revision of the genus. If he should visit us again in the near future (as I rather expect) I shall get his opinion of your plant.

I thank you cordially for this collection and I hope that you will continue to find it possible to share a portion, at least, of your work with us.

Very sincerely,

Francis Macbride

1675 Cordylanthus rigidus (Benth.) Jepson, var. filifolius (Nutt.) cf. Contrib. Gray Herb. xlix. 58-59 (1917). Macbr.

1489 Oxytheca Parishii Parry.
Jepson, Fl. Calif. iv. 401 (1914), has shown the futility of distinguishing this plant generically.

1484 Allium tribracteatum is the best determination of this plant. It may be separable as A. Burlewii Davidson. The onions need revision. A. Lemmoni is represented with us by the type only and this seems quite different. It is much taller and the perianth segments are broad and abruptly acuminate. A. anceps is of this perplexing group but in typical form it is very broad-leaved and stout.

1443 Phacelia californica Cham., forma bernardina (Greene) Macbr.

2092,1451 " " " " Ballii (Brand) Macbr.

876 Amsinckia Menziesii (Lehm.) Nels. & Macbr. ?
I have received this plant from others and am frankly puzzled. At present I can only refer it to this polymorphous (as I interpret it) species.

2035, 2071, 2057, 1620 Cryptantha ambigua (Gray) Greene.
The first number is typical, the last less so but the calyx and closed groove of the nutlet refer it here rather than to C. intermedia to which I had referred it.

2046 Cryptantha intermedia (Gray) Greene
Robust and branched because broken off when young.

998 Cryptantha intermedia (Gray) Greene, var. Johnstonii Macbr.

2049,2048,2047 " " " "

2048a Cryptantha Jonesii (Gray) Greene.
I have given this an "a" no. in order that it may not conflict with the other 2048.

1542 = 2048a.

2077, 2073 Cryptantha muricata (H. & A.) Nels. & Macbr.

995 (Crawford & Hiatt) C. leiocarpa (F.& M.) Greene? Immature.

2214 (Munz) C. microstachys Greene.

2019 " " "

1677 Thalictrum Fendleri Gray. Seems to be this rather than T. sparsiflorum; the dorsal edge of the fruits of the latter is strictly straight!

1675

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2100 Dodecatheon Jeffreyi Van Houtte, var. redolens Hall

2063 Lupinus ~~sulphureus~~ Johnstonianus

1303 Viola lobata Benth.

2028 Lycium Andersonii Gray, var. Wrightii Gray
Seemingly this; the species are mainly distinguished by the flowers.

2059 Mentzelia congesta T. & G., var. Davidsoniana (Abrams) Macbr.
Distinguished from the typical form, which is rare in California, by the longer mostly entire leaves and fewer flowers.

2051 Mentzelia micrantha T. & G.

2052, 2090, 1602 Mentzelia dispersa Wats.!
M. pinetorum Heller is not to be distinguished even varietally. The species thruout its range shows a slight variation in length of calyx lobes and petals and is rather variable in leaf character.

1755 Mentzelia albicaulis Dougl., var. Veatchiana (Kell.) Urb. & Gilg

I shall not report on any nos. if indicated I can on your determinations.

J.F.M.

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